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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/807,687	04/16/2001	Knuth Albertsen	PHD 99.105US	2360

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EXAMINER

HA, NGUYEN T

ART UNIT

PAPER NUMBER

2831

DATE MAILED: 06/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/807,687

Applicant(s)

ALBERTSEN ET AL.

Examiner

Nguyen T Ha

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 March 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other:

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed on 3/17/2003 are persuasive in overcoming the rejection of record. Therefore, the previous office action is hereby withdrawn. However, in view of the new prior art the examiner decides to make another rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 11 is rejected under 35 U.S.C. 102(b) as being anticipated by the Japanese Patent (63-086309).

Regarding claim 11, the Japanese Patent discloses a dielectric ceramic component characterized in that it comprises a composite of a powder of a dielectric ceramic material and an organic polymer (page 1, claim 1).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 1-10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansen et al (5,889,647) in view of the Japanese Patent (63-086309)/(309).

Regarding claim 1, Hansen et al discloses an electronic component (figure 1) with a dielectric (1) and at least one electrode (2).

Hansen et al lack the dielectric comprises a composite consisting of a powder of a dielectric ceramic material and an organic polymer.

However, The Japanese Patent (309) teaches the dielectric comprises a dielectric ceramic material and an organic polymer (on page 1, claim 1).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the Hansen capacitor as taught by the Japanese Patent to have the dielectric comprises a composite consisting of a dielectric ceramic material

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and an organic polymer in order to use under high temperature for the capacitor, since the organic polymer have a high temperature.

Regarding claims 2&3, the teaching of the Japanese Patent (309) including an organic polymer comprises polyethylene (page 4 lines 16-17). It is inherent that the polyethylene organic polymer is insoluble in water.

Regarding claim 4, the teaching of the Japanese Patent (309) including the dielectric ceramic material has a low temperature coefficient (page 5 lines 4-9).

Regarding claim 5, Hansen et al discloses an electronic component wherein the electrodes comprise Ag, Au, Cu, (column 4 lines 2-4).

Regarding claim 6, Hansen et al discloses an electronic component wherein the electronic component is chosen from the group comprising capacitor (column 3 lines 29-40).

Regarding claims 7-10, a method of manufacturing an electronic component are necessitated by the device structure as it is disclosed by Hansen et al in view of the Japanese Patent (309). Hansen discloses an electronic component (figure 1) comprising a dielectric (1) and at least one electrode (2).

Hansen et al lack the dielectric comprises a composite consisting of a powder of a dielectric ceramic material and an organic polymer.

However, The Japanese Patent (309) teaches the dielectric comprises a dielectric ceramic material and an organic polymer (on page 1, claim 1).

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the Hansen capacitor as taught by the Japanese Patent to have the dielectric comprises a composite consisting of a dielectric ceramic material and an organic polymer in order to use under high temperature for the capacitor, since the organic polymer have a high temperature.

Regarding claim 12, Hansen et al disclose a dielectric filter with an electronic component, which comprises a dielectric (1) and at least two electrodes (2).

Hansen et al lack the dielectric comprises a composite consisting of a powder of a dielectric ceramic material and an organic polymer.

However, The Japanese Patent (309) teaches the dielectric comprises a composite consisting of a dielectric ceramic material and an organic polymer (on page 1, claim 1).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the Hansen capacitor as taught by the Japanese Patent to have the dielectric comprises a composite consisting of a dielectric ceramic material and an organic polymer in order to use under high temperature for the capacitor, since the organic polymer have a high temperature.

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Conclusion

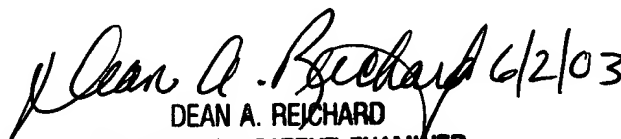
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen Ha whose telephone number is (703)-308-6023 Monday to Friday from 8:30 to 6:00PM.

Any attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard, can be reached on (703) 308-3682. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3431.

Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist whose telephone number is (703) 308-0956.

NH

5/30/2003

 6/2/03
DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800